

000260 64052560

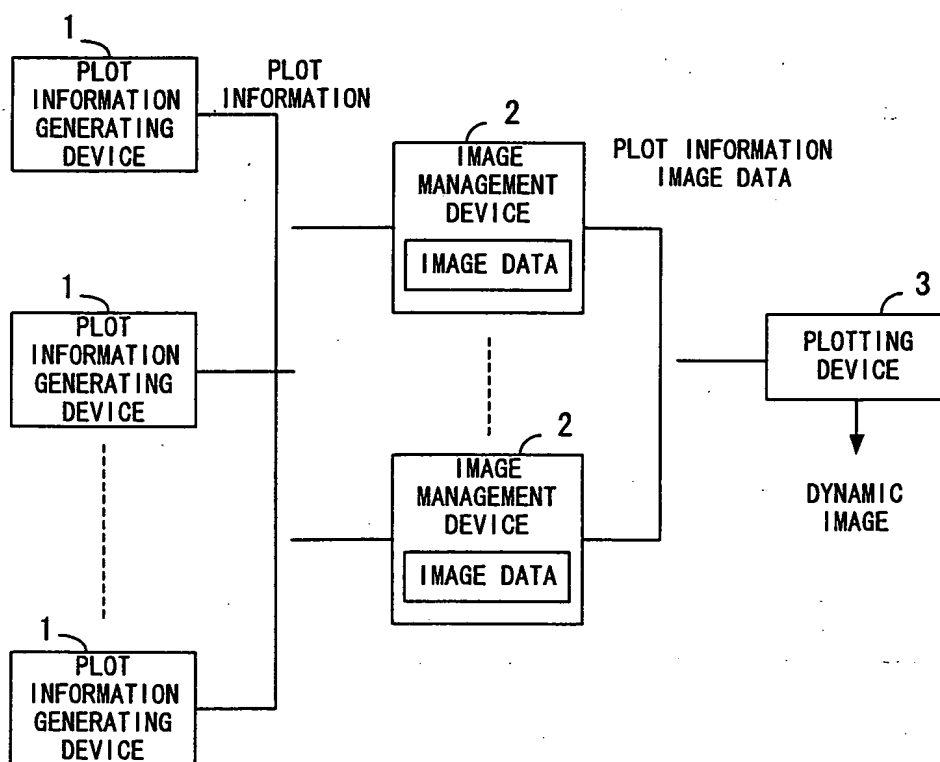


FIG. 1

00000" 67052300

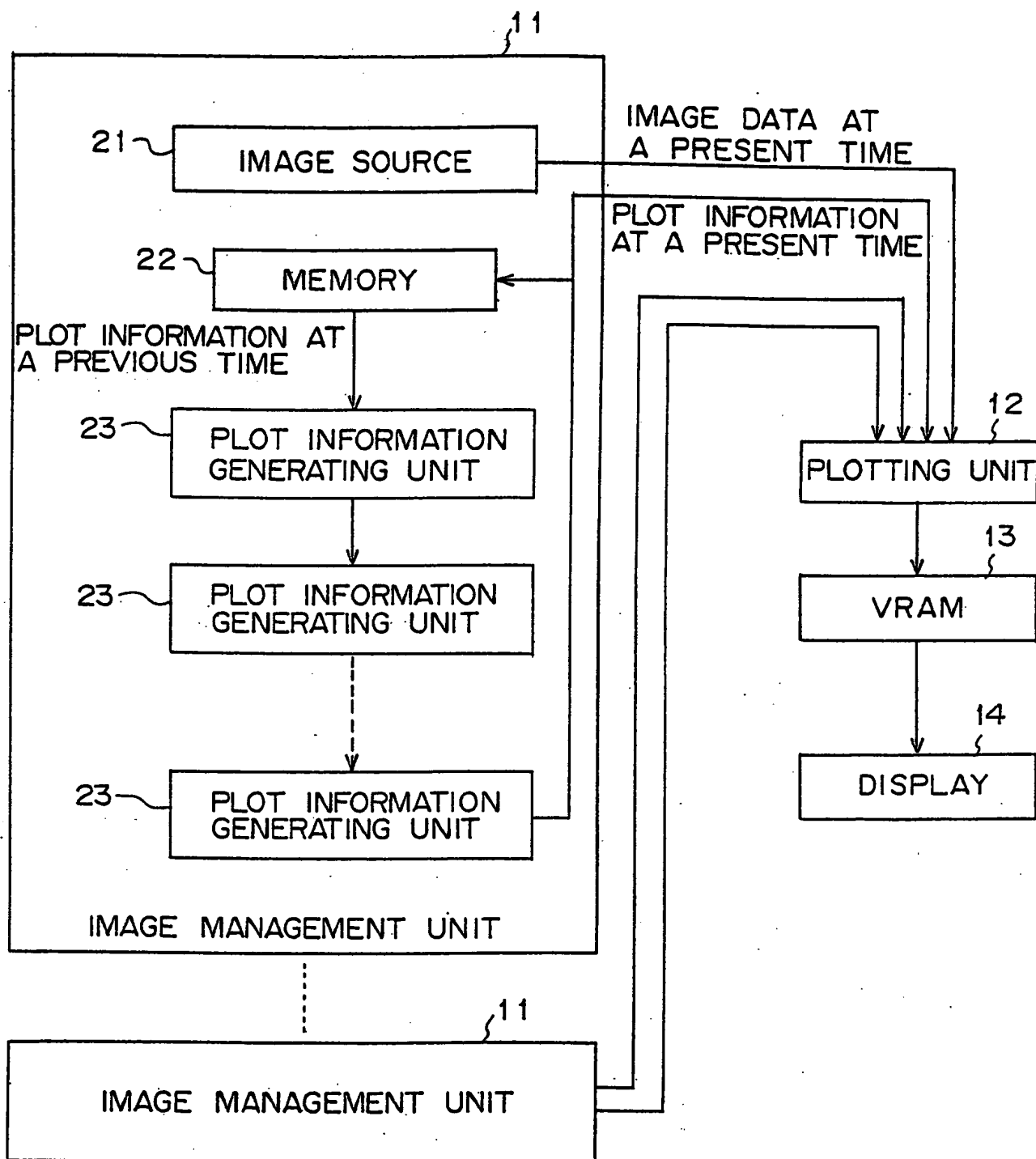


FIG. 2



Figure 1 is a block diagram of a difference image generation system. The system is enclosed in a box labeled 11. Inside, there is an IMAGE SOURCE (21) connected to an IMAGE DATA AT A PRESENT TIME line. This line feeds into a PLOTTING UNIT (12). A MEMORY (22) is connected to an ADDER (42). The ADDER (42) also receives PLOT INFORMATION AT A PREVIOUS TIME from a PLOT INFORMATION GENERATING UNIT (41). The output of ADDER (42) is labeled DIFFERENCE PLOT INFORMATION AT A PRESENT TIME. This difference information is fed into another ADDER (43). The second ADDER (43) also receives input from a PLOT INFORMATION GENERATING UNIT (41) and a third PLOT INFORMATION GENERATING UNIT (41) below it. The output of ADDER (43) is fed back into the MEMORY (22). The DIFFERENCE PLOT INFORMATION AT A PRESENT TIME is also fed into the PLOTTING UNIT (12). The PLOTTING UNIT (12) is connected to a VRAM (13), which is connected to a DISPLAY (14). The DISPLAY (14) outputs IMAGE DATA AT A PRESENT TIME back to the IMAGE SOURCE (21). The entire system is labeled 11.

FIG. 4

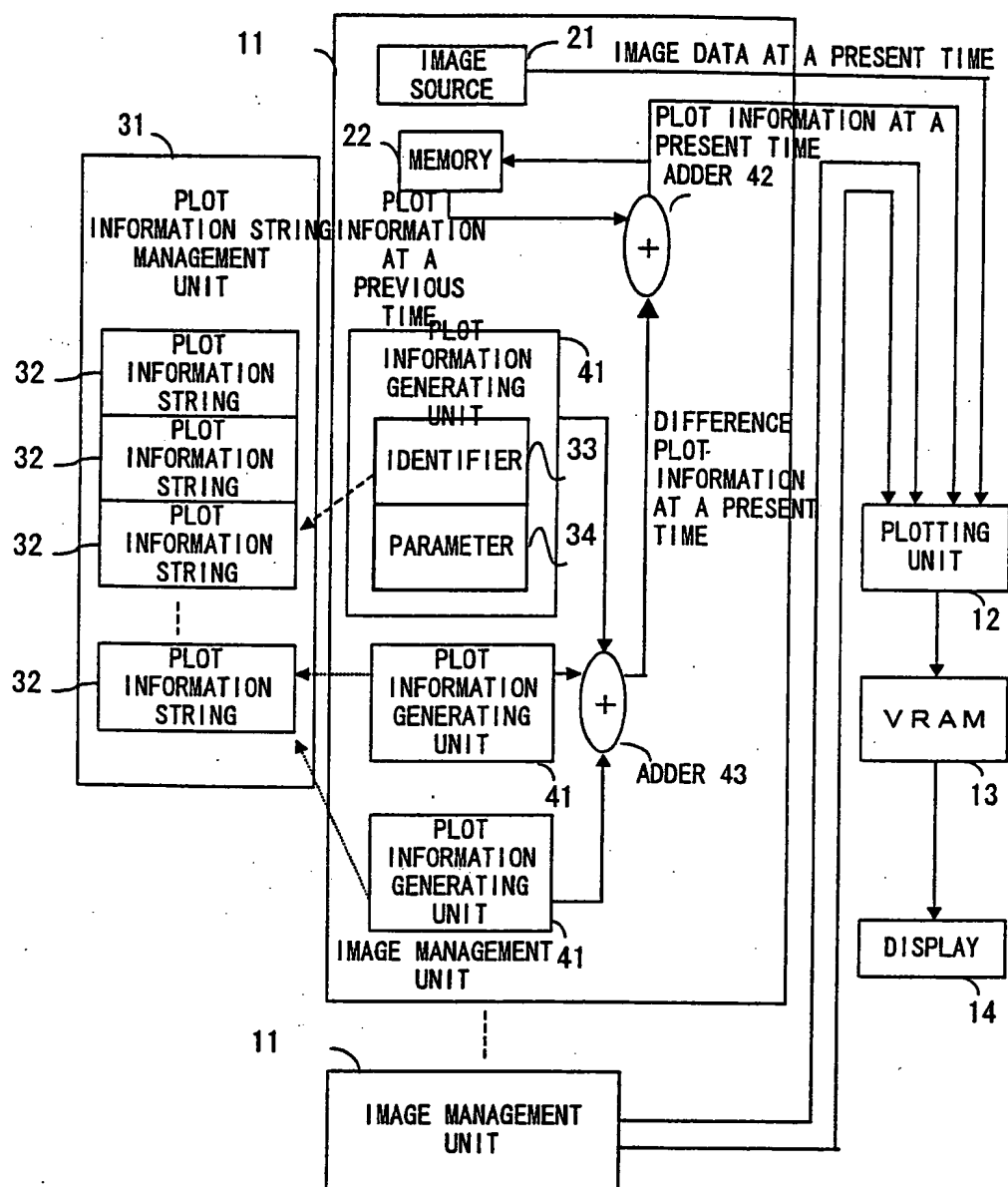


FIG. 5

Figure 1 is a block diagram of a multi-plotting system. The system includes an IMAGE MANAGEMENT UNIT #1 (11) with a circular plot area (64) and a box for LAST PLOT COORDINATES (65). A PLOTTING UNIT (12) contains a POINTER TO EACH IMAGE (61), a NOTIFICATION EVENT (62), and an UPDATE INTERVAL (63). A SCREEN (14) displays the TIME t, COORDINATES (x, y) and a circular plot area. A PLOT COORDINATES box (66) is connected to the PLOTTING UNIT and the SCREEN. A series of PLOT INFORMATION GENERATING UNITS (23) are shown, each with a PLOT INFORMATION FUNCTION IDENTIFIER (pf1, pf2, ..., pfN), SPEED (speed1, ..., speedN), SCALE (x\_scale1, y\_scale1, ..., x\_scaleN, y\_scaleN), and INTERNAL TIME (t\_last1, ..., t\_lastN). These units are connected to the PLOTTING UNIT and the SCREEN. A PLOT INFORMATION FUNCTION MANAGEMENT UNIT (51) contains a PLOT INFORMATION FUNCTION UNIT (52) for each plot information function (f1, f2, ..., fk) and its identifier (pf1, pf2, ..., pfk).

6

```

graph TD
    START([START]) --> LOOPa1[/LOOP a  
REPEATED BY THE  
NUMBER OF IMAGES/]
    LOOPa1 --> S1[x=x-last, y=y-last S1]
    S1 --> S2[EVENT PROCESS S2]
    S2 --> S3[PROCESS OF THE HIGHEST-ORDER  
PLOT INFORMATION GENERATING UNIT S3]
    S3 --> S4[x-last=x, y-last=y S4]
    S4 --> S5[PLOTS AN IMAGE ON x, y  
COORDINATES S5]
    S5 --> LOOPa2[/LOOP a/]
    LOOPa2 --> S6[CLEARs EVENT S6]
    S6 --> END([END])
  
```

FIG. 7

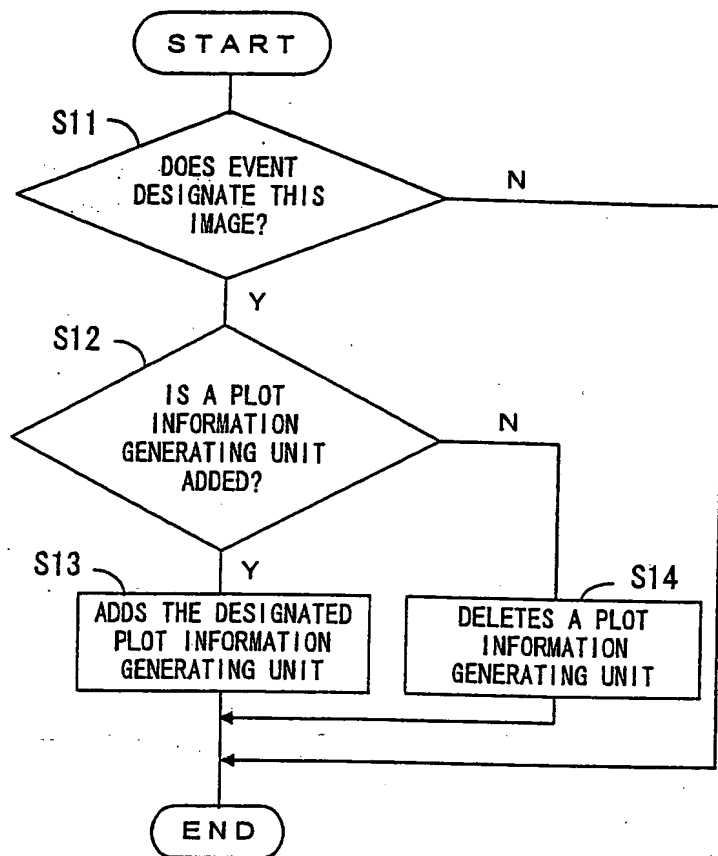


FIG. 8



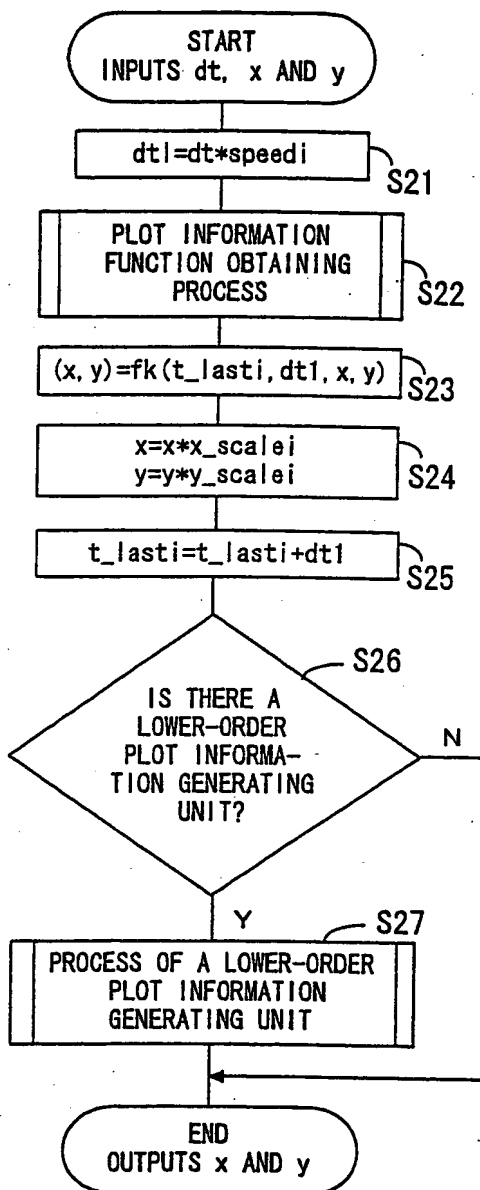


FIG. 9

006260" 61052950

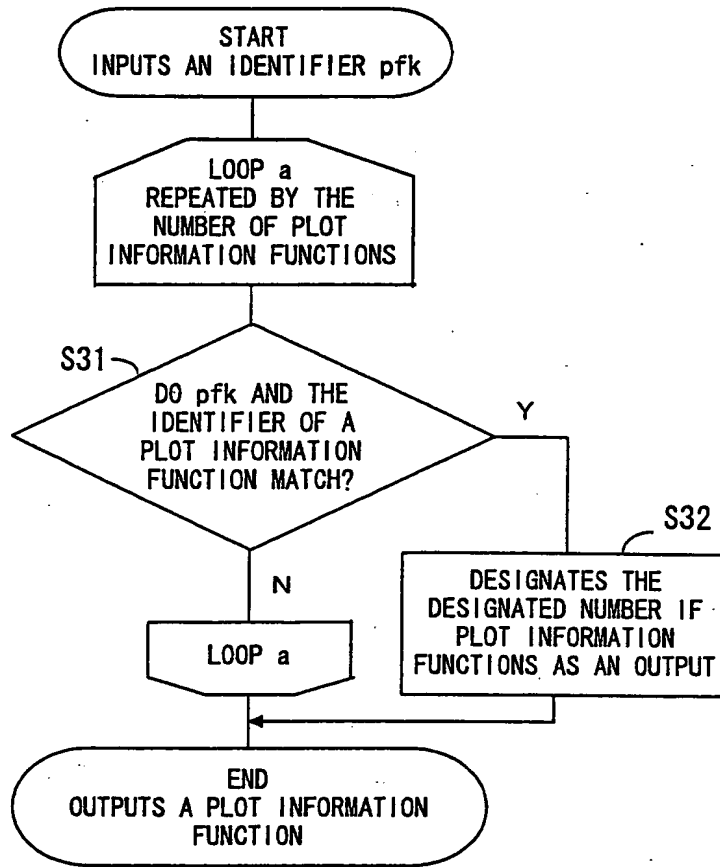


FIG. 10

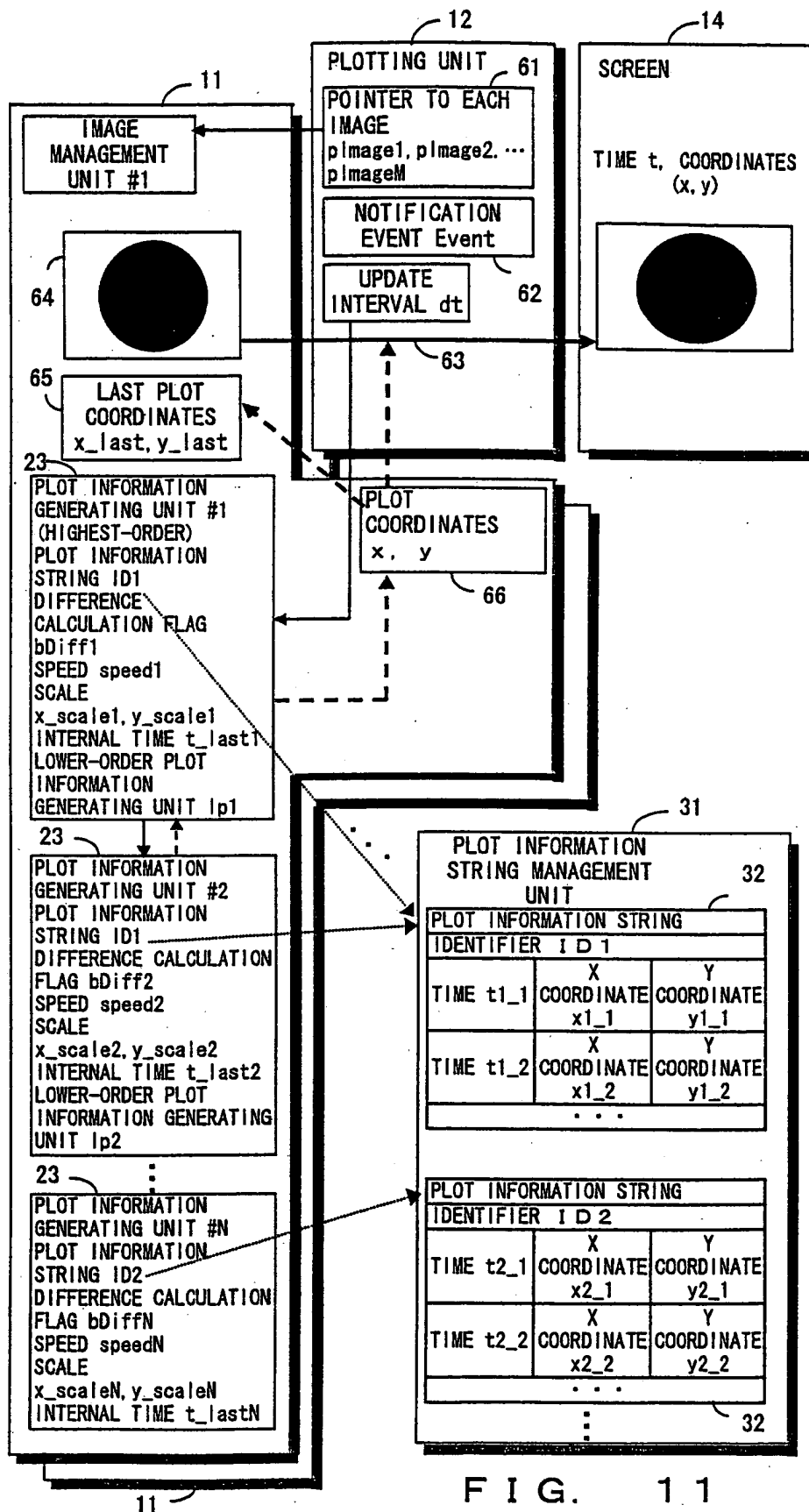


FIG. 11

006260:64052960

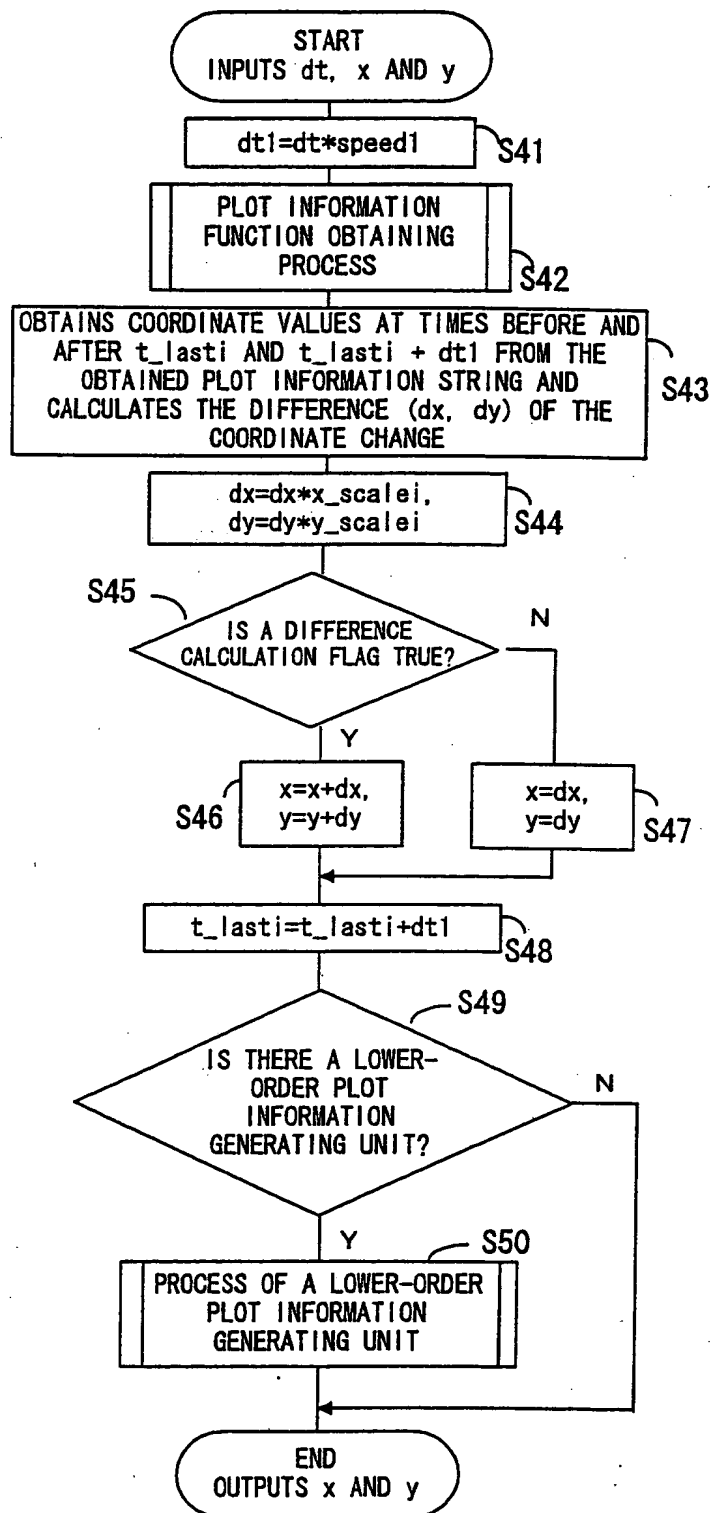


FIG. 12

TIME	X COORDINATE	Y COORDINATE
t 1	x 1	y 1
t 2	x 2	y 2
t 3	x 3	y 3
...	...	...
t J	x J	y J

FIG. 13

006260 64052960

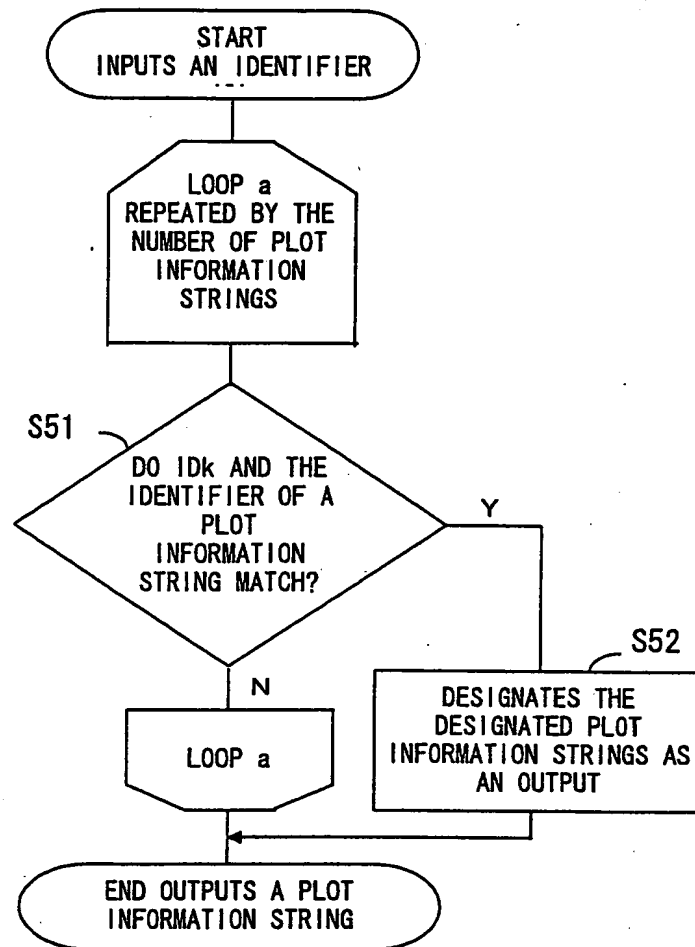


FIG. 14

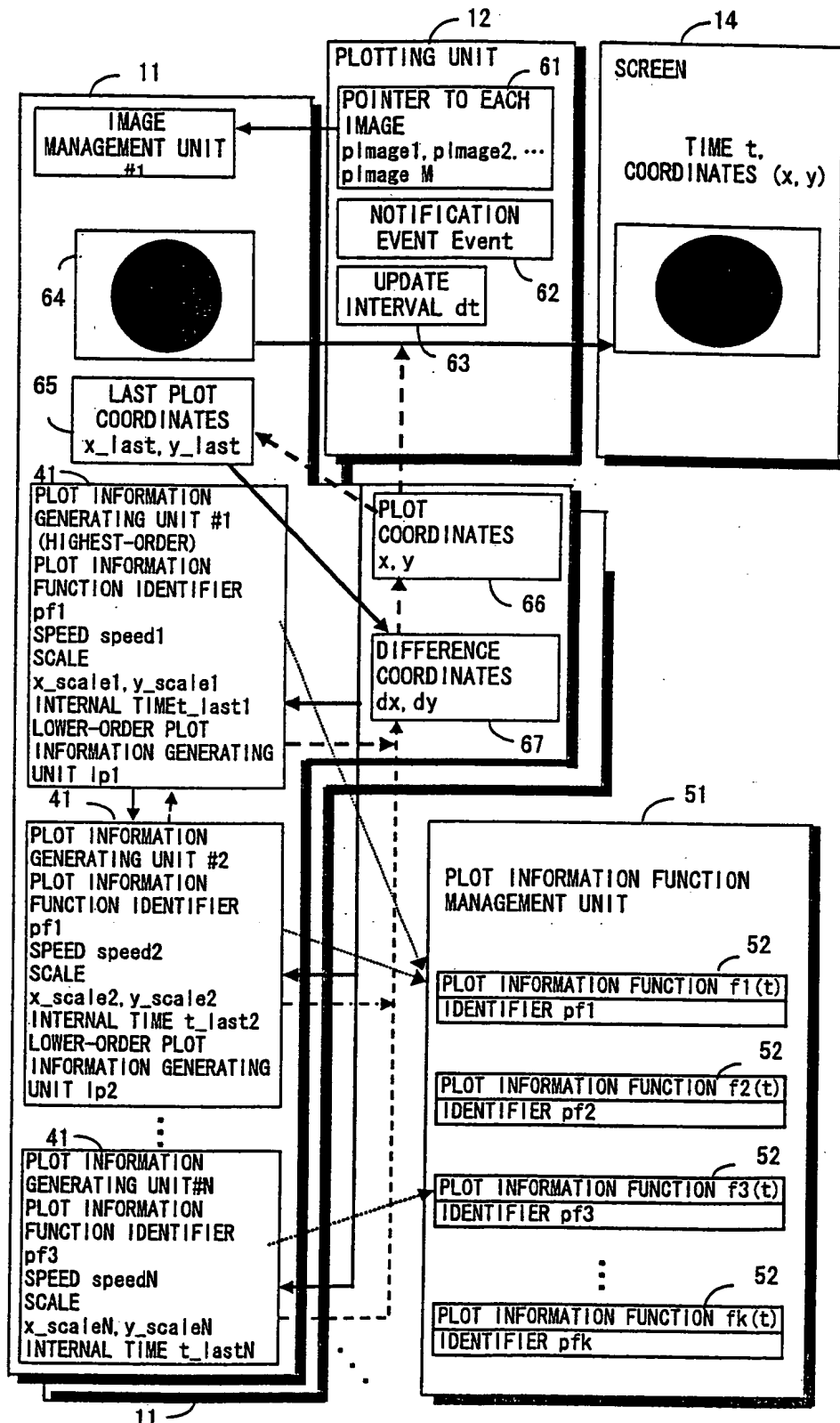


FIG. 15

000260" 61052960

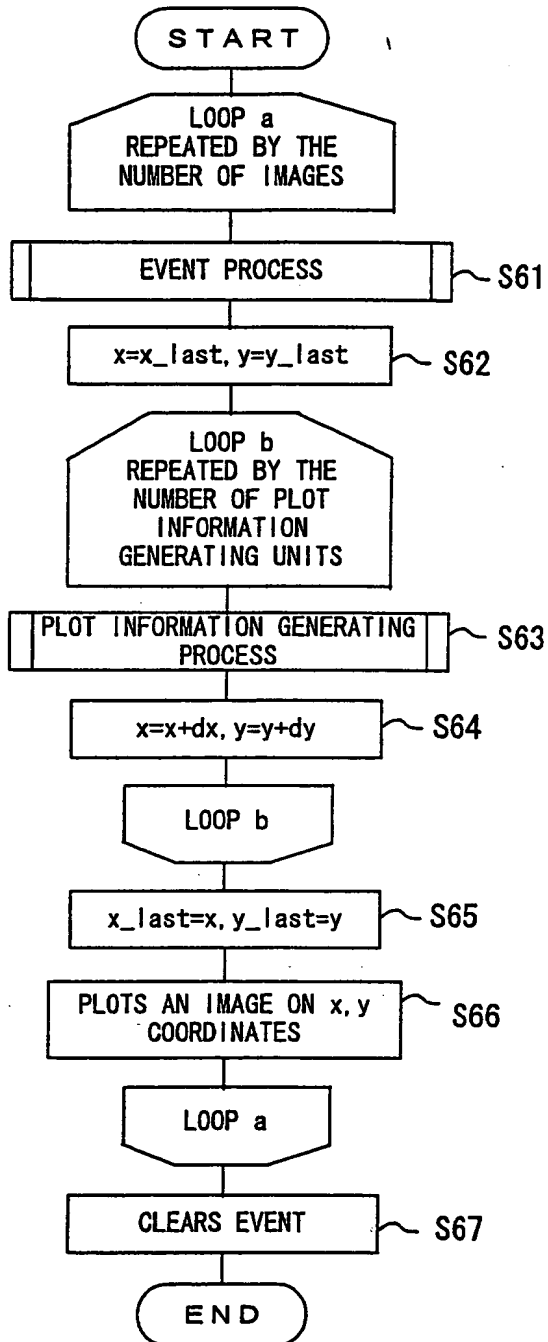


FIG. 16



FIG. 17

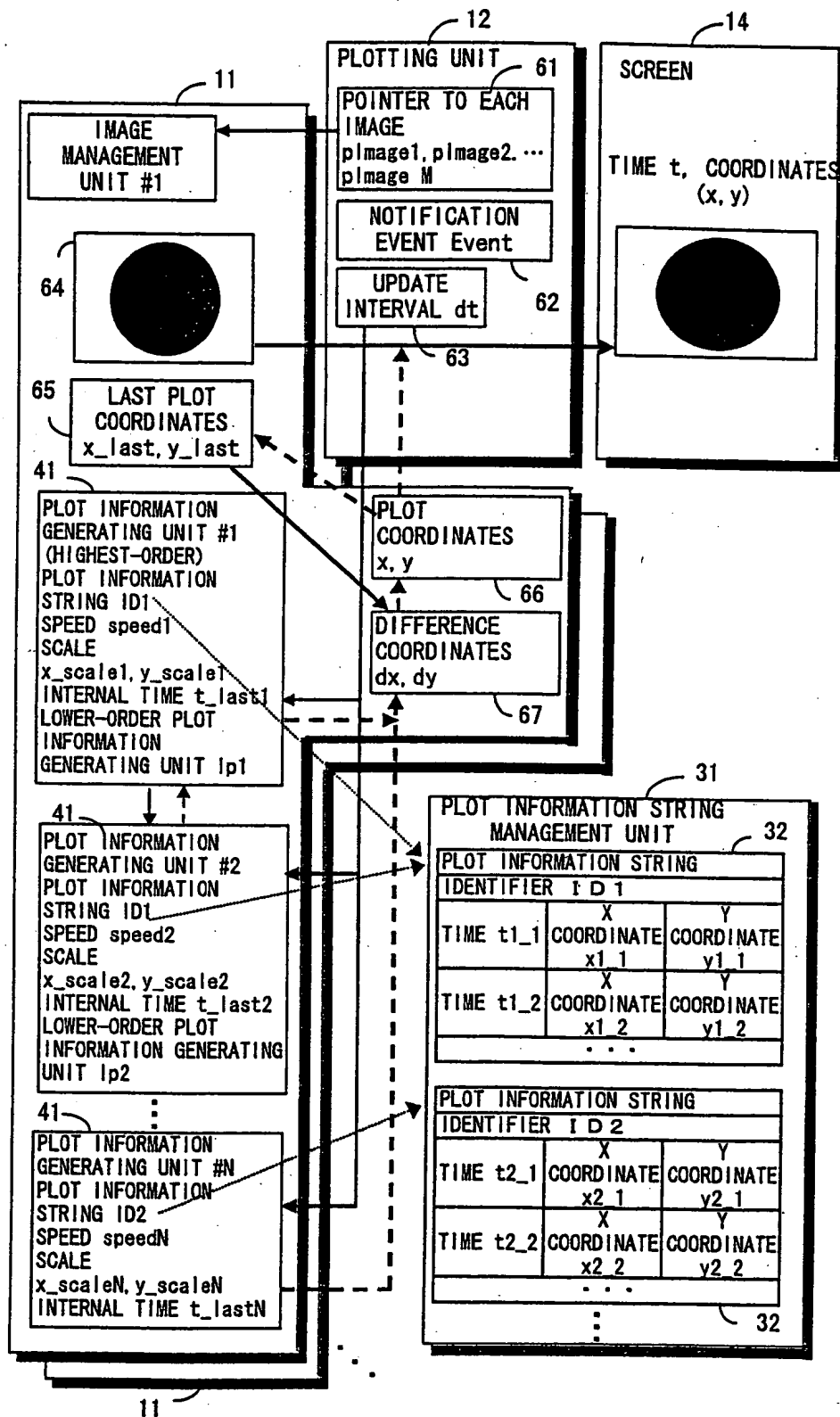


FIG. 18

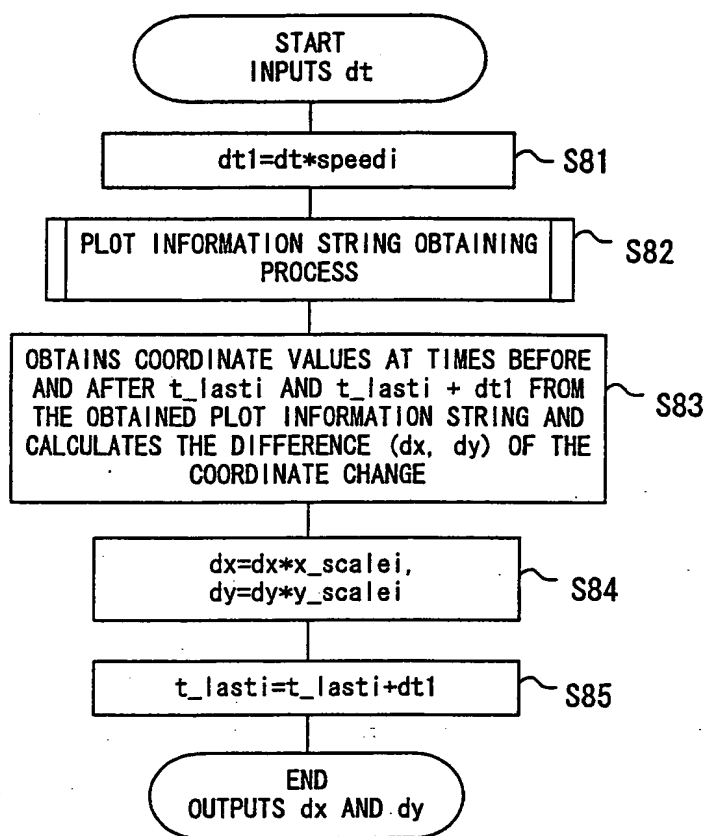


FIG. 19



FIG. 20

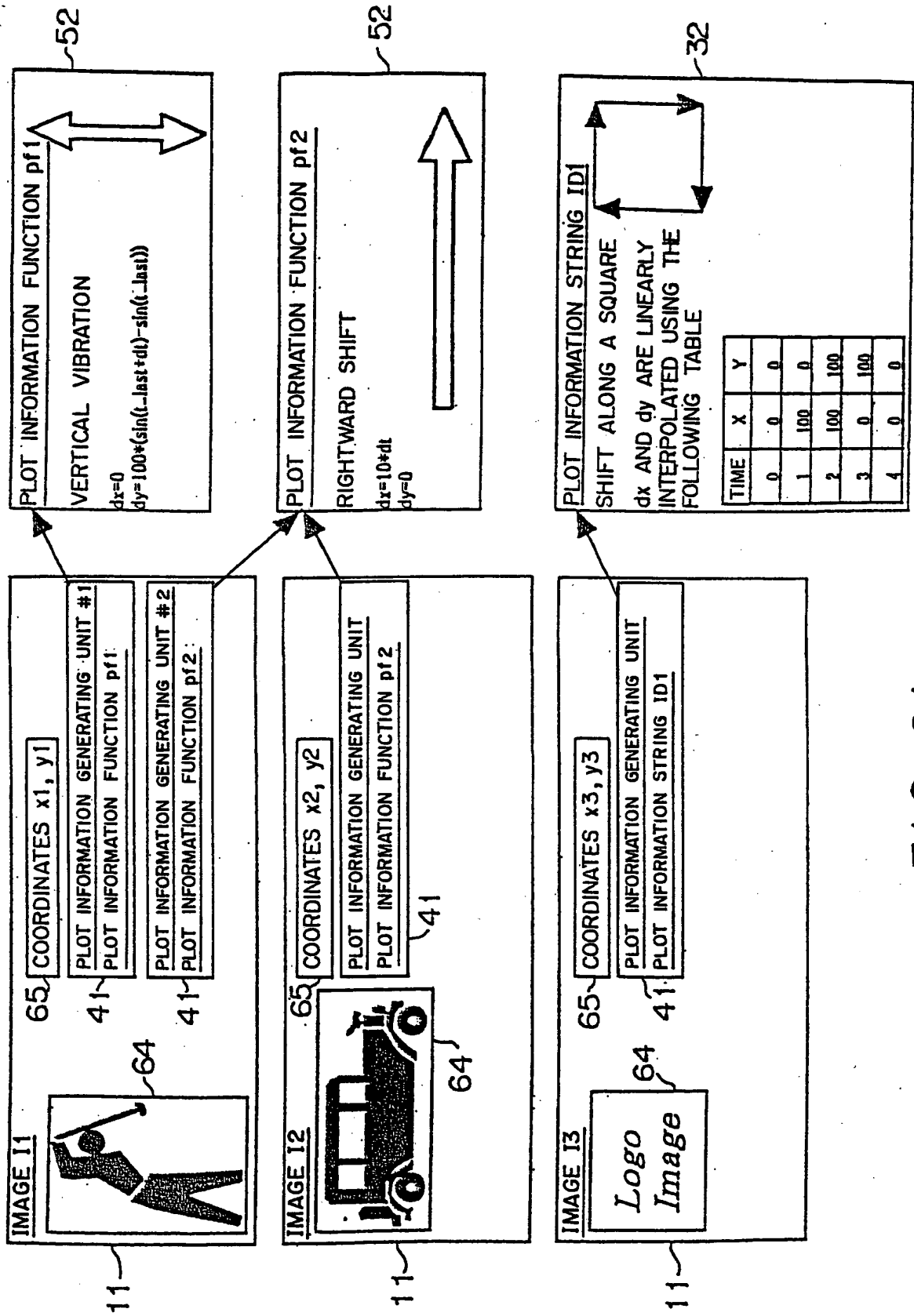


FIG. 21

006260" 61052960

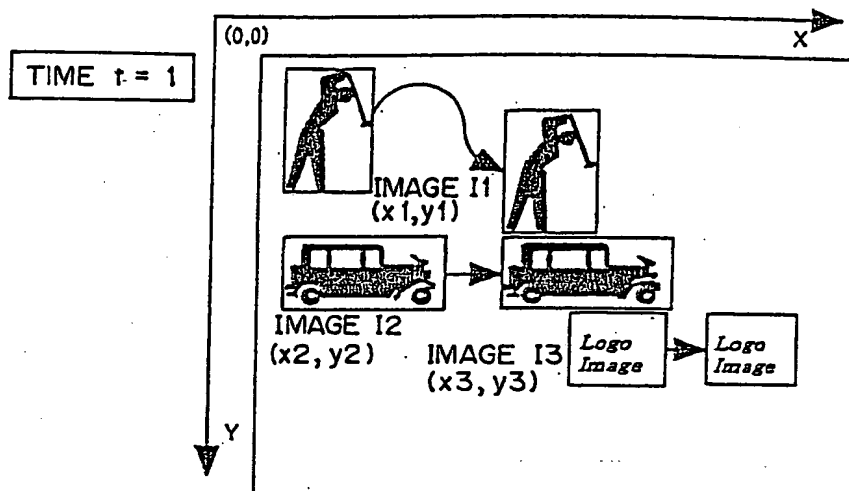


FIG. 22

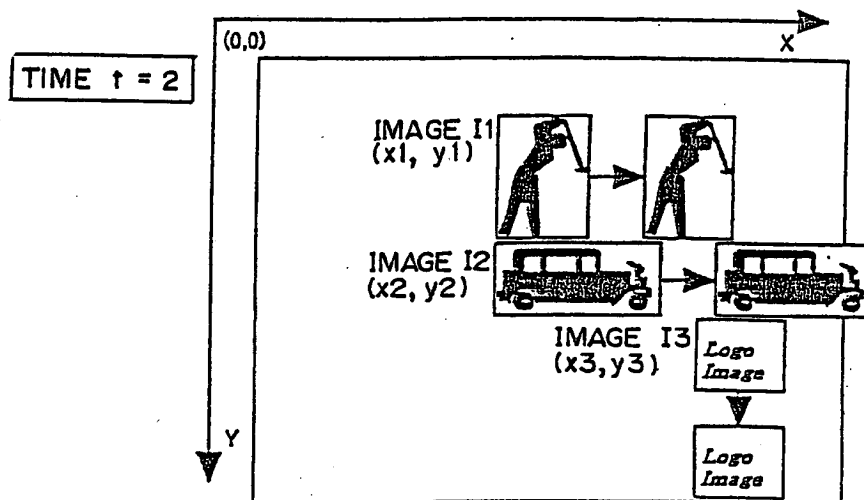


FIG. 23

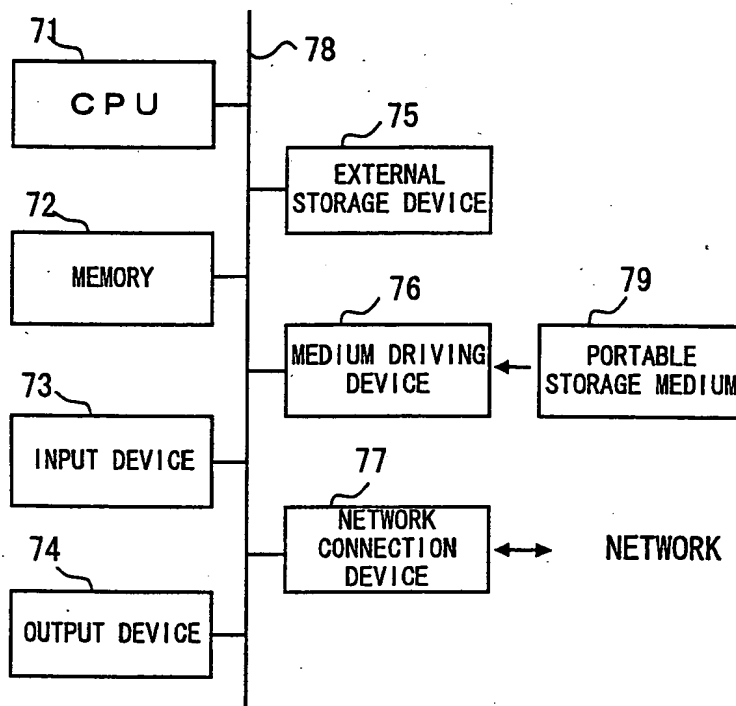


FIG. 24



FIG. 25

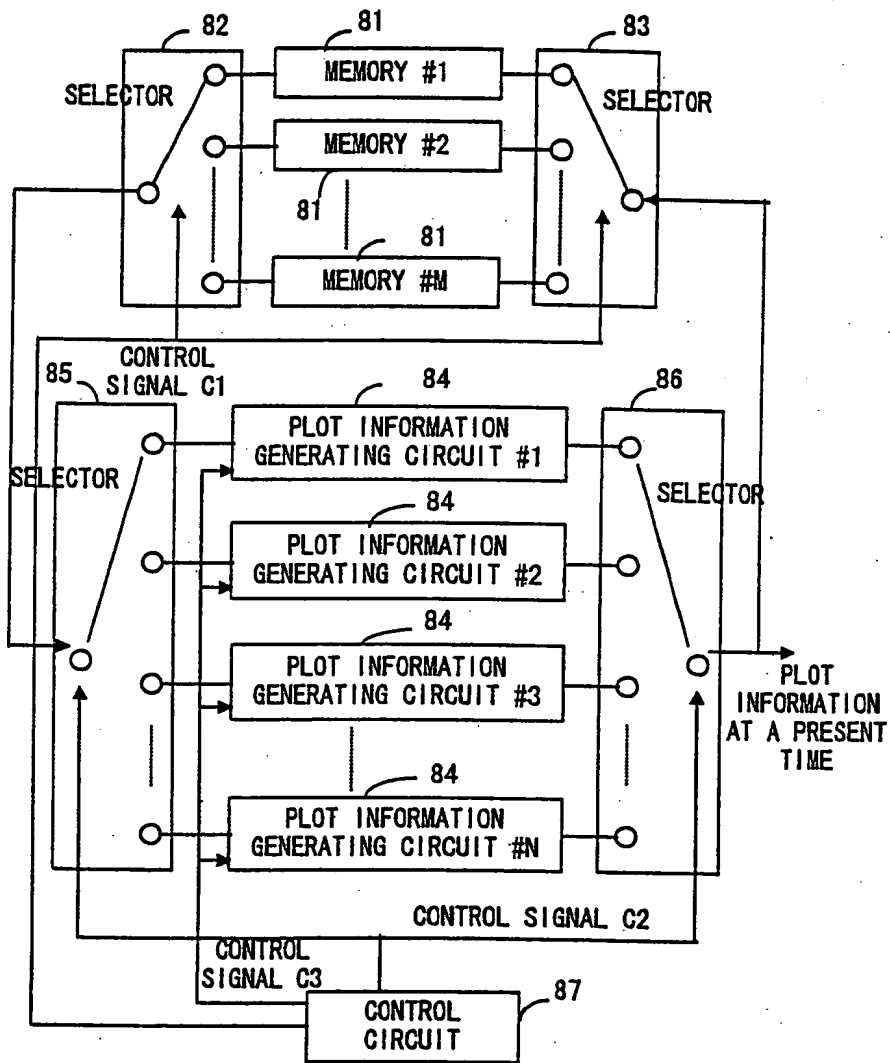


FIG. 26

000260" 64052960